

# TIMELINEZ

VOLUME 8

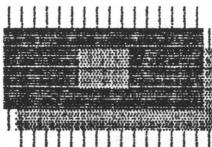
ISSUE 07-12

JULY - DEC 1990

\$1.50

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## VIEW FROM RAMTOP



### IMPORTANT - IMPORTANT - IMPORTANT - IMPORTANT

This is the **LAST** published issue of TIMELINEZ by American Micro Systems. Starting 1 JAN 91, all future issues will be printed within SNUG's newsletter ROUND-UP. Since all yearly renewals are due in January 1991, please send in your \$15.00 membership to:

**SNUG's ROUND-UP**  
 c/o Paul Holmgren  
 5231 Wilton Woods CT  
 Indianapolis, IN 46254

If you already are a member of SNUG, please do **NOT** send in a subscription fee for TIMELINEZ. Your SNUG membership will continue as before with the addition of TIMELINEZ within ROUND-UP.

**WHAT HAPPENED??** According to Gilbert Blasingame, President of American Micro Systems, "we were looking for a new electronic market to target for. Research has been conducted for California and Nevada. During which, a Florida based company (a subsidiary of Medic One) offered to purchase AMS. The offer was a surprise, but after several weeks of debate, our decision was made to accept their offer. The transaction will be finalized on December 31, 1990".

With this, the editor of TIMELINEZ was notified by Mr. Blasingame that the funding for TIMELINEZ was to be discontinued. The editor (who is also the General Manager of AMS) contacted Paul Holmgren, editor of SNUG's newsletter ROUND-UP. An agreement was made to have all TIMELINEZ subscribers receive ROUND-UP as their user group publication provided the membership fee is paid. Since ROUND-UP is not a monthly periodical, a memo will be mailed to members on a monthly basis as to when and where to meet.

### A note to SimLink subscribers.

You will now receive the SLIX periodical as your user group publication. As SLIX members, you are not effected by the above.

Anyone who wishes to subscribe to SLIX: Contact Bill Miller at (408) 253-3175

### BASIC: Code To Crunch File

Crunch RLE file in Commodore BASIC 2

Steve D. Nichols donated this program in hopes that a guru or hacker could convert it for TIMEX Basic or QL SuperBasic.

```

5 rem "RLE-PIC Crunch (C) Copyright 1988 By
      Steve D. Nichols
6 rem "FREE Copies only. Not to be sold.
      (Commodore BASIC 2)
10 input "Source Filename";f1$
20 input "Destination Filename";f2$
30 open 3,8,3,"0:"+f1$+",p,r"
40 open 4,8,4,"0:"+f2$+",p,w"
50 get#3,a$
60 n%#=30
70 b$=a$:get#3,a$:if st then 140
80 if b$=a$ and n%#<127 then n%#=n%#+1:goto 70
90 if n%#<32 then 120
100 if b$=chr$(33) then print#4,chr$(13)chr$(n%#);
     :goto 60
110 if b$=chr$(34) then print#4,chr$(10)chr$(n%#);
     :goto 60
120 print#4,b$,:n%#=n%#-1;if n%#>29 then 120
130 goto 60
140 print#4,b$,:n%#=n%#-1;if n%#>29 then 140
150 print#4,a$,
160 close4:close3:end

```

### Uncrunch RLE File in Commodore BASIC 2

```

5 rem "RLE-PIC Un-Crunch (C) Copyright 1988 By
      Steve D. Nichols
6 rem "FREE Copies only. Not to be sold.
      (Commodore BASIC 2)
10 dim s$(2)
20 for i=1 to 99:s$(1)=s$(1)+chr$(33);s$(2)=s$(2)
     +chr$(34):next i
30 input "Source Filename";f1$
40 input "Destination Filename";f2$
50 open 3,8,3,"0:"+f1$+",p,r"
60 open 4,8,4,"0:"+f2$+",p,w"
70 get#3,a$:if st then 130
80 if a$=chr$(13) then x%#1:goto 110
90 if a$=chr$(10) then x%#2:goto 110
100 print#4,a$;:goto 70
110 get#3,a$:n%#=asc(a$)-29
120 print#4,left$(s$(x%),n%#);:
     goto 70
130 print#4,a$;
140 close4:close3:end

```

### Support For

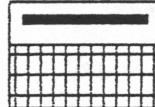
**sinclair**

ZX81 - spectrum - QL

and

**TIMEX sinclair**

1000 - 1500 - 2068



CAMBRIDGE

288

computers

### REMEMBER TIME DESIGNS??

Well here is a magazine packed with lots of goodies.

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**SUPPORT FOR:**

TIMEXsinclair's  
1000, 1500, 2068  
  
Sinclair's  
ZX Spectrum+ 128K  
Quantum Leap (QL)  
  
Cambridge's Z88

# FRONT

# PAGE

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COMPUTER AND  
THIS PROGRAM.

DESK-TOP PUBLISHING  
FOR THE SINCLAIR QL  
=====

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**Make checks payable to:** S.H.U.G. Inc.  
**> SEE "CLUB INFORMATION" FOR ADDRESS <**

**CHANGE OF ADDRESS:** Please notify SNUG by phone or by letter to any changes in your current mailing address to prevent delay or even loss of service.

**RENEWAL TIME?** Starting January 1990, all subscriptions will be due on the first month of every year (renewals due every January). Your mailing label will show printed "January 19XX", where "XX" shows starting month of **NEXT** subscription period. New subscribers joining mid-year will receive issues from the previous Jan. All subscribers due in mid 1990 will be pro-rated to finish off the rest of the year (Each subscriber will be contacted by letter as to the cost of pro-rate).

**NOTICE:** Contributors to **TIMELINEZ** are independent of American Micro Systems and opinions expressed in the contents of this publication are not necessarily those of the management staff or its advertisers. American Micro Systems will not be held liable for any damage or consequences resulting from instructions, assertions of fact, review of products or companies provided in the magazine's content. It is recommended that anyone attempting to modify their computer or constructing an electrical project should seek help from more knowledgeable individuals.

**Make all N/L Exchange correspondence to:**

**TIMELINEZ**  
P.O. Box 1312  
Pacifica, CA 94044  
ATTN: George Mockridge

Back issues of **TIMELINEZ**, 7/83 thru 12/87  
Contact Bill Miller at:

SinLink  
6675 Clifford Drive  
Cupertino, CA 95014

Issues 1/88 - present,  
contact your editor at  
American Micro.

The PDSE Library is  
now available to all;  
covering T/S1000-1500,  
T/S 2068, Spectrum and  
the QL.  
Contact American Micro  
for further details.

# C A M B R I D G E

## G R O U P

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Z88

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200 Stonehenge Lane, Carle Place, NY 11514  
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January 19, 1990

Dear User Group Director:

Do you have members in your user group who'd like to earn money while doing what they do best - working with computers?

Cambridge Group is looking for part-time sales consultants - Cambridge Colleagues - to sell the Z88 portable computer on campus at colleges and universities in your area.

The Z88 is easy to sell. It's unique, inexpensive, and it really helps students get better grades!

The Z88 is about the size of a notebook - less than an inch thick, less than two pounds - so it goes everywhere - classroom, library, even the beach. Word processing and spreadsheet programs are built in. The keyboard is silent and the Z88 runs for twenty hours on 4 AA batteries.

Classroom notes and course work can be permanently stored and instantly retrieved. Writing term papers is a breeze.

Even students who already own a desktop computer can use a Z88. They can't take their desktop computer to class, but notes typed on a Z88 can be transferred in a few seconds to Apple Macintoshes and IBM and compatible PCs.

Cambridge Group is looking for entrepreneurial personal computer users to sell the Z88 on campus. We'll provide training and literature, including a video tape, as well as technical support, and everything else necessary to ensure success.

We would appreciate it if you would bring this opportunity to the attention of your members. If you would like multiple copies of the enclosed flyers so they can be passed out at a meeting, please give us a call at 800-458-9008.

Any of your members who are interested in selling the best portable computer available, making money, and having fun in the process, should also call us at 800-458-9008 and ask about becoming a Cambridge Colleague.

Thank you.

Harvey Goldsmith  
President

November 12, 1990

Dear Andy,

I, too want to see TIMELINEZ grow and I hope this little game will help. It started out as a copy of The Price is Right's game in which the contestant has to choose the first and last two numbers in the price of the car. That's okay on TV because there's a real car at stake, but in the program I wrote on my TS 1000 it was just another guess-the-number game. And then my Muse hit me. I changed the numbers into words. Out of 12 words in a DATA list, at least 11 new ones can be made, and oftentimes many more, so it takes more than mere guesswork to beat it.

My thought is to enlist other Sinclairists to expand on WIN A CAR! First of all, it needs many more DATA lists, and that's an interesting job in itself. Each word must be part of the word following it so that MAY, BE, COME, BACK, PACK, etc., form MAYBE, BECOME, COMEBACK, BACKPACK, etc. Since words are so versatile the same ones can be used again and again in different combinations, even within one DATA list.

Five-letter words? There's room on the grid and IV could be redefined in Line 70. It can be improved in many other ways - sound, color, movement, and all kinda stuff like that there.

Most sincerely,  
Gertie Andersson

```

10 REM ..WIN A CAR!
11 ::LOAD"WAC"
12 ::TS 2068

15 REM ..BY GERTIE ANDERSSON
16 ::85/90

50 GO SUB 7000: REM ..INTRO
60 GO SUB 8000: REM ..DEFS
70 LET IV=4
100 INPUT "HOW MANY PLAYERS? "
110 CLS
120 FOR G=1 TO P
130 RANDOMIZE
140 REM ..DRAW AND NUMBER CELLS
150 FOR I=1 TO 4
160 PRINT G$,N$,N$,N$,N$: NEXT
170 REM ..DRAW AND NUMBER CELLS
180 FOR I=1 TO 12
190 PRINT "": NEXT
200 FOR I=20 TO 15 STEP -1: PRINT AT I,20;"#": NEXT I
210 FOR I=20 TO 31: PRINT AT I,21;"#": NEXT I
220 FOR I=15 TO 20: PRINT AT I,22;"#": NEXT I
230 LET X=4: LET Y=1
240 FOR I=1 TO 12
250 PRINT AT Y,X,I: LET X=X+6
260 IF X>17 THEN LET Y=Y+5: LET X=4
270 NEXT I
280 PRINT AT 1,23;"WORDS": AT 2,
290 REM ..SHUFFLE AND PLACE
300 WORDS IN CELLS

```

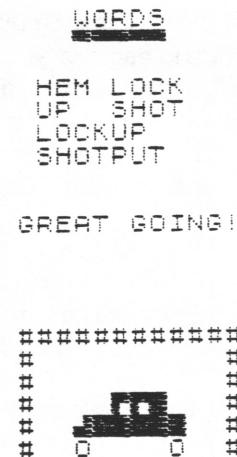
## WIN A CAR!

YOUR NEW CAR IS HIDDEN BEHIND 2 WORDS IN THIS 12-CELLED GRID, AND I'LL GIVE YOU 4 CHANCES TO FIND IT.

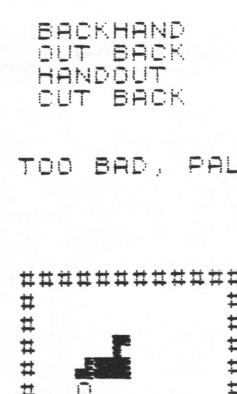
ENTER 2 WORDS BY NUMBER, FORMING A NEW WHOLE OR HYPHENATED WORD. FOR EACH CORRECT WORD HALF A CAR WILL APPEAR ON THE SCREEN. NO CLUE IS GIVEN AS TO WHETHER IT'S FOR THE FIRST OR SECOND WORD; IN FACT, IF YOU PICK THE THE RIGHT WORDS IN THE WRONG ORDER THE CAR WILL APPEAR BUT YOU WON'T WIN IT. (PSST! TAKE THE HINT AND REVERSE THE WORDS.)

GOOD LUCK TO YOU, BUT IF YOU MISS OUT I KNOW THIS TERRIFIC GUY WHO HAS A USED-CAR LOT IN PACHECO. TELL HIM GERTIE SENT YOU.

1	2	3	WORDS
SHOT	TEE	LOCK	HEM LOCK
			UP SHOT
			LOCKUP
			SHOTPUT
			GREAT GOING!
			#####
			#
			#
			#
			#
			0 0 #



1	2	3	WORDS
WORK	HAND	PUT	BACKHAND
			OUT BACK
			HANDOUT
			CUT BACK
			TOO BAD, PAL
			#####
			#
			#
			#
			0 #



YOU SHOULD HAVE PICKED

"HAND" AND "WORK"

```

310 DIM W$(12,IV): DIM T$(12,IV)
320 LET S$=""
330 LET H=21: LET U=4: LET VV=1
340 FOR I=1 TO 12
350 READ W$(I): LET S$=S$+W$(I)
360 NEXT I
370 FOR I=1 TO 12
380 LET R=INT (RND*12)+1
390 LET H$=W$(I): LET W$(I)=W$(R):
LET W$(R)=H$: NEXT I
400 FOR I=1 TO 12: GO SUB I*10+
410 LET R=INT (RND*12)+1
420 LET H$=W$(I): LET W$(I)=W$(R):
LET W$(R)=H$: NEXT I
430 FOR I=1 TO 12: GO SUB I*10+
440 PRINT W$(I): NEXT I
450 REM ..DETERMINING HIDING
460 REM ..PLACES OF CAR
470 LET F=IV+INT (RND*11)+1: LET
T=B+F+IV
480 LET F#=F$(F TO F+IV-1): LET
B#=F$(B TO B+F-1)
490 LET A#=F#+B#
500 REM ..CHOOSE WORDS
510 LET M=1
520 PAUSE 50: INPUT "FIRST HALF
": W1
525 IF W1>12 THEN GO TO 520
530 GO SUB W1*10+5500
540 PAUSE 20: INPUT "SECOND HAL
F": W2
545 IF W2>12 THEN GO TO 540
550 GO SUB W2*10+5700
555 IF T$(W1)=F$ THEN PRINT AT
16,21:C$:AT 19,21:D$:AT 20,21:E$:
560 IF T$(W2)=F$ THEN PRINT AT
16,26:X$:AT 19,26:Y$:AT 20,26:Z$:
565 IF T$(W1)=E$ THEN PRINT AT
16,21:O$:AT 19,21:D$:AT 20,21:E$:
570 IF T$(W2)=E$ THEN PRINT AT
16,26:X$:AT 19,26:Y$:AT 20,26:Z$:
575 IF T$(W1)+T$(W2)=A$ THEN GO
TO 900: REM WIN
580 IF M=4 THEN GO TO 600: REM
LOSE
585 LET M=M+1: LET V=V+1
590 GO TO 520
595 PRINT AT VV,20;"TOO BAD, PA
F"
600 INPUT "PLEASE ENTER ";Q$
610 CLS: PAUSE 20
620 PRINT AT 0,5;"YOU SHOULD HA
VE PICKED"
630 PRINT ("TAB 7;"":F$);":"
" AND ";B$);":"
640 GO TO 950
650 PRINT AT VV,20;"GREAT GOING
"
660 INPUT "PLEASE ENTER ";Q$
670 CLS
680 PRINT ("CONGRATULATIONS! Y
OU HAVE WON THE CAR OF YOUR DR
EAMS - THE MAGNIFICENT ALFALF
A MAYO!"
690 PRINT ("SO DRIVE IT IN GOOD
HEALTH."
700 INPUT "PLEASE ENTER ";Q$
710 CLS: NEXT G
720 INPUT "ANOTHER GO? Y/N ";Q$:
730 PAUSE 50: IF Q$<>"Y" THEN G
O TO 9000
740 GO TO 120
750 REM ..WORD LISTS
760 DATA "CAR"/"ROT"/"TEN"/"ANT
"/"HEM"/"LOCK"/"UP"/"SHOT"/"PUT
"/"UP"/"ON"/"SIDE"
770 DATA "HE"/"RE"/"IN"/"COME"
"BACK"/"PACK"/"AGE"/"OLD"/"EN"/
"ACT"/"OR"/"ATE"
780 DATA "CUT"/"BACK"/"HAND"/"W
ORK"/"SHOP"/"WORN"/"OUT"/"PUT"/
"TEE"/"THE"/"ME"/"RE"

```

```

3040 DATA "PORT"/"AGE"/"LESS"/"O
N"/"SETS"/"CREW"/"EL"/"BOW"/"TIE
"/"PIN"/"KING"/"SIZE"
3050 DATA "OFF"/"ICE"/"BOX"/"CAR
"/"PET"/"AL"/"LOW"/"DOWN"/"HILL
"/"TOP"/"HAT"/"RED"
3060 DATA "FLAT"/"TOP"/"COAT"/"T
RIL"/"SPIN"/"OFF"/"SIDE"/"BURN"
"/"ED"/"ITS"/"ELF"/"IN"
3070 DATA "BLUE"/"JAY"/"WALK"/"U
RY"/"WARD"/"EN"/"JOY"/"LESS"/"OR
"/"BIT"/"TEN"/"ACE"
3080 DATA "BACK"/"DOOR"/"POST"/"A
L"/"COVE"/"RED"/"HEAD"/"LONG"/
"JOHN"/"DOE"/"SKIN"/"DEEP"
3090 DATA "POP"/"CORN"/"COB"/"UE
B"/"BED"/"ROOM"/"RENT"/"AL"/"LOU
"/"ED"/"AM"/"PLY"
3100 DATA "MAY"/"BE"/"COME"/"BAC
K"/"PACK"/"RAT"/"HER"/"O"/"PEN"
"/"MAN"/"DATE"/"LINE"
3110 DATA "NOW"/"HERE"/"WITH"/"I
N"/"TO"/"WHEE"/"LING"/"COD"/"ED"
"/"IT"/"EM"/"END"
3120 DATA "END"/"EAR"/"MUFF"/"IN
"/"LAW"/"MAN"/"KIND"/"RED"/"HEAD
"/"WIND"/"UP"/"TOWN"
3130 DATA "NO"/"MAD"/"CAP"/"TOR
"/"SO"/"ME"/"LEE"/"WAY"/"LAY"/"DO
WN"/"TOWN"/"SHIP"
3140 DATA "ME"/"AL"/"LOT"/"US"/
"HER"/"RING"/"WORM"/"WOOD"/"WORK"
"/"BOOK"/"CASE"/"IN"
3150 DATA "HER"/"ON"/"SET"/"UP"
"/"ON"/"LINE"/"MAN"/"GO"/"OF"/"TEN
"/"ACE"/"TONE"
3160 DATA "HI"/"HO"/"HUM"/"BUG"
"/"BEAR"/"SKIN"/"DEEP"/"EN"/"TRY"
"/"OUT"/"DO"/"UGH"
3170 DATA "RAY"/"ON"/"US"/"AGE"
"/"OLD"/"EN"/"JOIN"/"ED"/"IT"/"SEL
F"/"MADE"/"OVER"
3180 DATA "FISH"/"EYE"/"BROW"/"B
EAT"/"EN"/"ROLL"/"OVER"/"LAP"/"W
ING"/"SPAN"/"KING"/"PIN"
4998 STOP

5000 REM ..PLACE WORDS IN CELLS
5010 PRINT AT 3,1): LET T$(1)=W$(
1): RETURN
5020 PRINT AT 3,7): LET T$(2)=W$(
2): RETURN
5030 PRINT AT 3,13): LET T$(3)=W
$(3): RETURN
5040 PRINT AT 8,1): LET T$(4)=W$(
4): RETURN
5050 PRINT AT 8,7): LET T$(5)=W$(
5): RETURN
5060 PRINT AT 8,13): LET T$(6)=W
$(6): RETURN
5070 PRINT AT 13,1): LET T$(7)=W
$(7): RETURN
5080 PRINT AT 13,7): LET T$(8)=W
$(8): RETURN
5090 PRINT AT 13,13): LET T$(9)=
W$(9): RETURN
5100 PRINT AT 18,1): LET T$(10)=
W$(10): RETURN
5110 PRINT AT 18,7): LET T$(11)=
W$(11): RETURN
5120 PRINT AT 18,13): LET T$(12)=
W$(12): RETURN
5500 REM ..FIRST HALF OF WORDS
5510 PRINT AT V,H:T$(1): RETURN
5520 PRINT AT V,H:T$(2): RETURN
5530 PRINT AT V,H:T$(3): RETURN
5540 PRINT AT V,H:T$(4): RETURN
5550 PRINT AT V,H:T$(5): RETURN
5560 PRINT AT V,H:T$(6): RETURN
5570 PRINT AT V,H:T$(7): RETURN

```

SERVICE CHARGES FOR SINCLAIR / TIMEX COMPUTERS EFFECTIVE JUNE 1, 1990

Prices no longer include shipping and handling charges. Shipping charges will vary depending upon weight, distance and method. I will ship via the cheapest method unless you specify otherwise. The minimum shipping and handling charge is \$2.00. There may also be a surcharge for repairing modified equipment. The minimum surcharge is \$5.00.

Definition of modified equipment: Any circuitry changes on the inside of the equipment case that involved the addition of components, wires, integrated circuits, or hardware. Customers who send in computer equipment that has had modifications done to it, which change the manufacturer's original design, must pay the additional surcharge for repairs.

Repair costs (price includes parts and shipping):

1. For \$5.00:

TIMEXsinclair 1000  
Sinclair ZX-81  
16K RAM pack  
Any Memotech module

2. For \$10.00:

TIMEXsinclair 1500  
TIMEXsinclair 2040  
TIMEXsinclair 2050  
Sinclair ZX-80  
Z-SIO Board  
PC-8300  
Any Byte-Back Module

3. For \$15.00:

TIMEXsinclair 2068  
Sinclair ZX Spectrum  
A&J Microdrive  
LarKen's 2068 Floppy Disc Interface  
LarKen's 1000 Floppy Disc Interface  
Cumania's Sinclair QL Floppy Disc Interface  
CST's Sinclair QL Floppy Disc Interface

4. For \$20.00:

Rotronics Wafadrive

5. For \$25.00:

Sinclair QL

- For repairing add-on modules, printers, monitors, or other computerized equipment not listed above - write for a price quote for the item you want repaired.
- For modifying or upgrading any computer or add-on module, write for a price quote.
- Customers can expect a 4-6 week turn-around on most repair jobs. Upgrades and problem cases may take longer. You will be notified of any delays or excessive repair costs.
- I also service Atari, Commodore, Coleco, and Texas Instruments computers.

INSTRUCTIONS FOR SENDING IN COMPUTER EQUIPMENT

1. For repairs, please use a separate sheet of paper to describe in detail the problem you are encountering, and whether or not the problem is intermittent. List any software or hardware that are associated with the problem. Also list any modifications that have been done to your equipment.
2. For upgrades, please enclose or specify the magazine article or other source of information for doing each upgrade.
3. You may include a check or money order as a deposit for repair costs. You will be notified if a balance is due. Over amounts will be refunded.

4. Carefully pack and ship your equipment to the address below via UPS or parcel post. UPS is usually cheaper, especially with heavy items.

DAN ELLIOTT  
RT 1, BOX 117  
CABOOL, MO 65689

- Phone (314) 739-1712 evenings, Sunday through Thursday till 10 PM Central.
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### PUG's NEWSLETTER EXCHANGE

#### FROM SMUG BYTES JULY 1990

##### **NEW QL 'OPEN'**

In writing a program for the QL, I found a new command, at least to me, which is OPEN. The command will allow you to open for the creation of a new file without name error checking. In other words, if the name is there, it will overwrite the current name file's data with the new data. This can be important in the case of a backup where the new file and the old are the same name; but you don't want the program to stop on a duplicate file name.

This instruction is from the Toolkit II and to use it you must have it.

This instruction joins the other opens and they are OPEN #X, OPEN IN #X, and OPEN\_NEW #X. There is one other and it is OPEN\_DIR. It is used to find an unused channel.

Try'm, you'll like them.

##### **PROGRAMMING IDEA**

Make a series of small procedures and save them for merging with the basic program you are writing. These proc's should be the code you use more than once.

##### **Some examples:**

```
DEF PROC widow_11
REM explain proc
WINDOW #11,512,256,0,0
BORDER #11,5,0,7
RETURN
END DEF
```

The above procedure will define a window with a border.

```
DEF PROC last_entry
FOR n=1 to m
INPUT #7,m$(n,1 to 300)
IF m$(n,1 to 7)=,
' then m=(n-1 : n=501
NEXT n
RETURN
END DEF
```

This procedure will read a file until the last record is found. The record number is stored in n. The dimension is 300x500. The dimension must be defined and the file must have been opened either input or input/output.

#### FROM: THE PLOTTER OCTOBER 1990

##### **CIRCLES**

This cone design for the 2068 makes good use of CIRCLE to generate a design quickly. Users of the 2068 will recall that in line 120 the first number gives the circle center location X axis, the second number is the center Y axis, and the third is the circle radius. The trick is to move the center upward at a rate less than the circles

increase in diameter. Try varying the last number in small increments.

```
100 FOR n=1 TO 50 STEP
      3
120 CIRCLE 100,20+2*n,
      2+n
130 NEXT n
```

#### FROM: SINC LINK MAY - JUNE 1990

Late breaking news is that At, who were very big in the QL, are no longer in business. At least their phone is "No longer in service"! Can anyone add to this? If my memory serves me correct, At were in the UK for the announcement of the QL debut way back then.

QL "TRY - IT"  
This ONE-LINER is rather peculiar.

##### **COPY CON TO SER**

The cursor will disappear, and anything you type will go straight to the printer when you press (ENTER) provided your printer is attached to serial WITHOUT APPEARING ON THE SCREEN.

While you are still in this mode, try "lrun xxxx\_something", and the command goes to the printer! Using SCR instead CON will give you 'Bad name'. As I understand it, SCReen works as a display device, whereas CONsole acts as a terminal.

### INDEX-BUBBLE SORT

By Timothy Swenson

The Index-Bubble sort is a variation on the Bubble sort. It is very useful if you have a database with large records.

This sort needs an extra array additional to those that hold your data. The first cell in this array points to the first record, and so on down the array. As the sort goes through the database, the actual record is not moved. In a straight Bubble sort it would be moved. If you have large records this takes time.

In the Index-Bubble sort the index array is moved, not the database. Look at the diagram. The third index has a value of 3. It points to the third record.

Note that the third record is greater than the fourth record, so they need to change places. Instead of moving the records, the value or pointer in the index array is moved.

After the change the third index now has a value of 4, pointing to Hatfield. So in the index, Hatfield is lower than Wilson. These two records are sorted, but they have not moved. Their index pointers have moved for them.

If you have more information than just last name and first name it would be no more effort to sort it than now. The time the sort takes depends only on the amount of records and not how much data is stored in the records.

Type in the program below and see how this works. Note that the array First\$ is not touched at all in the sort. The sort itself would not have to be changed to add more fields.

An index is really an array that points to the records in a sorted manner. In a large

database, it is possible to have a variety of indexes of the database sorted on numerous fields. There is no need to have a copy of the database for each sort. Indexes same memory and time.

```
100 CLS
110 RESTORE
120 LET max = 6
130 DIM index(max)
140 DIM last$(max,10)
150 DIM first$(max,10)
160 PRINT "Unsorted"
170 PRINT
180 REMark INITIALISE
190 FOR x = 1 TO max
200   index(x) = x
210   READ a$,b$
220   PRINT a$; ", "; b$
230   last$(x) = a$
240   first$(x) = b$
250 NEXT x
260 REMark SORT
270 FOR z = 1 TO max-1
280   FOR x = 1 TO max-z
290     LET temp1=index(x)
300     LET temp2=index(x+1)
310     IF last$(temp1)>last$(temp2) THEN
320       index(x)=temp2
330       index(x+1)=temp1
340     END IF
350   NEXT x
360 NEXT z
370 PRINT
380 PRINT "Sorted"
390 PRINT
400 FOR x = 1 TO max
410   LET temp=index(x)
420   PRINT last$(temp); ", ";
430   first$(temp)
430 NEXT x
440 DATA "Jones", "Ralph"
450 DATA "Smith", "Henry"
460 DATA "Wilson", "Todd"
470 DATA "Land", "Joe"
480 DATA "Hatfield", "Will"
490 DATA "Palmer", "Al"
```

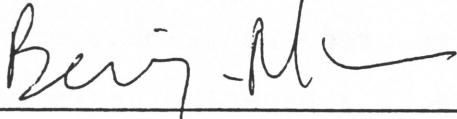
UNITED STATES BANKRUPTCY COURT  
DISTRICT OF MAINE

In re: ) CHAPTER 11  
 )  
SSI COMPUTER SYSTEMS, INC. ) CASE NO. 89-10387  
 )  
Debtor )

## NOTICE OF HEARING

PLEASE TAKE NOTICE that on Thursday, November 30, 1989 at 9:00 A.M. the Motion for Approval of Compromise and the Stipulation Providing For Use of Collateral and Adequate Protection will be heard in the Bankruptcy Courtroom, 156 Federal Street, Portland, Maine.

DATED: November 10, 1989

  
\_\_\_\_\_  
Benjamin E. Marcus, Esq.  
Attorney for the Debtor,  
SSI COMPUTER SYSTEMS, INC.

DRUMMOND WOODSUM PLIMPTON  
& MACMAHON  
245 Commercial Street  
Portland, ME 04101

207-772-1941

INDEX() LAST\$() FIRST\$()

3	3	→	WILSON	TODD
4	4	→	HATFIELD	WILL

5	4	→	WILSON	TODD
4	3	→	HATFIELD	WILL



UNITED STATES BANKRUPTCY COURT  
DISTRICT OF MAINE

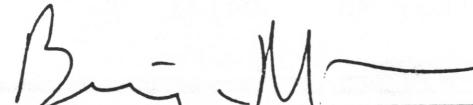
In re:

SSI COMPUTER SYSTEMS, INC. ) Chapter 11  
d/b/a CAMBRIDGE NORTH AMERICA, )  
)  
Debtor. ) Case No. 89-10387

NOTICE OF HEARING

NOTICE IS HEREBY GIVEN that a hearing will be held in the Bankruptcy Courtroom, U.S. Courthouse, 156 Federal Street, Portland, Maine on December 21, 1989 at 9:00 A.M. to consider the Verified Fee Application for Interim Compensation of Attorney for Debtor filed by Daniel Amory, Esq. and the firm of Drummond Woodsum Plimpton & MacMahon for legal services rendered and reimbursement of disbursements. The Application seeks approval of fees of \$23,159.50 and disbursements of \$2,088.85. Parties interested in obtaining a copy of the Application should write to the Clerk of the United States Bankruptcy Court, P.O. Box 1109, Bangor, Maine 04401.

Dated: December 4 , 1989

  
\_\_\_\_\_  
Benjamin E. Marcus, Esq.  
Attorney for Debtor

Drummond Woodsum Plimpton  
& MacMahon  
245 Commercial Street  
Portland, Maine 04101  
(207) 772-1941

0305b

UNITED STATES BANKRUPTCY COURT  
DISTRICT OF MAINE

In Re: )  
SSI COMPUTER SYSTEMS, INC. ) CHAPTER 11  
Debtor ) CASE NO. 89-10387  
)

## MOTION FOR APPROVAL OF COMPROMISE

SSI Computer Systems, Inc. (the "Debtor"), moves this Court to approve the compromise of claims advanced by the Debtor in an adversary proceeding styled SSI Computer Systems, Inc., Plaintiff v. The First National Bank of Boston, Casco Northern Bank N.A. and New England Sales, Inc., Defendants, Adversary No. 89-1055, on the terms and conditions described below. In support of this Motion, Movant states as follows:

1. The Debtor filed an original petition for relief under Chapter 11 of the United States Bankruptcy Code on September 11, 1989, and remains in possession and control of its property.

2. Casco Northern Bank, N.A. and The Bank of Boston (together the "Banks") claim a first priority lien on all personal property of the Debtor to secure the Debtor's obligations under a guaranty of the obligations of New England Sales, Inc. ("NES") to the Banks. The Banks claim a second priority lien on all personal property of the Debtor as assignee of a lien and Promissory Note payable to NES or order in the original principal amount of \$1,000,000.00 executed by the Debtor.

3. On September 11, 1989 the Debtor commenced an adversary proceeding against the Banks and NES seeking to avoid:

- (a) a payment in the amount of \$657,000.00 made to the Banks, within a year prior to the petition date; and
- (b) the liens of the Banks and NES; and
- (c) the Debtor's guarantee of the obligations of NES.

4. On September 11, 1989 the Debtor filed its Motion to Use Cash Collateral And To Determine Cash Collateral. On October \_\_\_, 1989 the Debtor, the Banks and NES filed a Stipulation Providing for Use of Collateral and Adequate Protection (the "Stipulation"). The Stipulation is contingent on a final order granting this Motion. This Motion is contingent on a final order approving the Stipulation.

5. By this Motion the Debtor seeks authority to dismiss the pending adversary proceeding with prejudice and release the Banks and NES from any and all liability under 11 U.S.C. §§ 547, 548 and 550.

6. Approval of this Motion is in the best interests of the Debtor's estate. Avoidance of the \$657,000 payment and the liens of the Banks and NES is of only limited value to the Debtor because those creditors hold approximately 80% of the total claims against the Debtor. Moreover, the Stipulation, which is contingent on granting of this Motion, permits the Debtor to sell its inventory on terms which will maximize the value of the inventory, allow the Debtor to remain a going concern and provide the Debtor an opportunity to reorganize for the benefit of all creditors.

WHEREFORE, the Debtor, requests that the Court grant this Motion for Approval of Compromise and grant such other relief as justice requires.

Dated: November 10  
~~October~~, 1989

Drummond Woodsum Plimpton  
& MacMahon  
245 Commercial Street  
Portland, ME 04101  
207-772-1941

Benj M  
Benjamin E. Marcus  
Attorney for the Debtor,  
SSI Computer Systems, Inc.

2621M

-3-

CONTINUED FROM PAGE 526

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5580 PRINT AT V,H;T$(8): RETURN
5590 PRINT AT V,H;T$(9): RETURN
5600 PRINT AT V,H;T$(10): RETURN
5610 PRINT AT V,H;T$(11): RETURN
5620 PRINT AT V,H;T$(12): RETURN
5700 REM .SECOND HALF OF WORDS
5710 PRINT AT V,H+IV;T$(1): RETU
RN
5720 PRINT AT V,H+IV;T$(2): RETU
RN
5730 PRINT AT V,H+IV;T$(3): RETU
RN
5740 PRINT AT V,H+IV;T$(4): RETU
RN
5750 PRINT AT V,H+IV;T$(5): RETU
RN
5760 PRINT AT V,H+IV;T$(6): RETU
RN
5770 PRINT AT V,H+IV;T$(7): RETU
RN
5780 PRINT AT V,H+IV;T$(8): RETU
RN
5790 PRINT AT V,H+IV;T$(9): RETU
RN
5800 PRINT AT V,H+IV;T$(10): RETU
RN
5810 PRINT AT V,H+IV;T$(11): RETU
RN
5820 PRINT AT V,H+IV;T$(12): RETU
RN
7000 REM .INTRO
7010 PRINT " " WIN A CAR!
7020 PRINT "/YOUR NEW CAR IS HID
DEN BEHIND 2 WORDS IN THIS 12-CE
LLED GRID, AND I'LL GIVE YOU 4
CHANCES TO FIND IT."
7030 PRINT " ENTER 2 WORDS BY N
UMBER, FORM-ING A NEW WHOLE OR H
YPHENATED WORD. FOR EACH CORRE
CT WORD HALF"

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UNITED STATES BANKRUPTCY COURT  
DISTRICT OF MAINE

In re: )  
SSI COMPUTER SYSTEMS, INC. ) CHAPTER 11  
Debtor ) CASE NO. 89-10387  
)

STIPULATION PROVIDING FOR  
USE OF COLLATERAL AND  
ADEQUATE PROTECTION

RECITALS

A. On September 11, 1989 (the "Filing Date"), SSI Computer Systems, Inc., the above-captioned debtor and debtor-in-possession (the "Debtor"), filed with this Court a voluntary petition for relief under Chapter 11 of Title 11 of the United States Code. Since the Filing Date, the Debtor has remained in possession and control of its property.

B. On or about October 21, 1987, The First National Bank of Boston and Casco Northern Bank, N.A. (the "Banks") and New England Sales, Inc., an affiliate of the Debtor ("NES"), entered into a certain Term Loan and Restated and Amended Revolving Loan and Security Agreement pursuant to which the Banks agreed to make available to NES a revolving credit facility of \$20,000,000.

C. Also on or about October 21, 1987, NES executed and delivered to the Banks a \$2,000,000 Promissory Note.

D. On or about October 31, 1988, the Debtor executed and delivered to the Banks a Guaranty of all of the obligations of NES to the Banks. The Guaranty was secured by a Security Agreement of even date granting the Banks a security interest in the following assets of the Debtor (the "Collateral")"

All of the Debtor's Accounts and accounts receivable in whatever form, General Intangibles, Contract Rights, Inventory, instruments, documents, chattel paper, notes, drafts, acceptances, deposits, proceeds of letters of credit, all forms of obligations owing to Debtor, however created or evidenced, and Records, all whether now owned or existing or hereafter arising or acquired and/or proceeds of any of the foregoing, in whatever form, including, without limitation, proceeds of insurance. There is also included within the term "Collateral" all rights of Debtor in and to the goods or other property giving rise to an Account, all guarantees, liens and security granted to or held by Debtor with respect to an Account or any other obligation owing to Debtor, or all Debtor's rights as an unpaid vendor or lienor, including the rights of stoppage in transit, replevin and reclamation, and/or moneys, securities and other property (and the proceeds thereof), now or hereafter held or received by, or in transit to, either Bank, from or for Debtor, whether for safekeeping, pledge, custody, transmission, collection or otherwise all credits and balances of Debtor with either Bank at any time existing.

E. Section 11 of said Security Agreement defines Accounts, Contract Rights, General Intangibles and Inventory as follows:

"Account" means any right of Debtor to payment for goods sold or leased or for services rendered including, without limitation, accounts receivable, and further including, without limitation, all right, title and interest in and to the inventory which gave rise to any account;

"Contract Rights" means any right of Debtor to payment under a contract not yet earned by performance and not evidenced by an instrument or chattel paper;

"General Intangibles" means and refers to Debtor's general intangibles, including, without limitation, all tax refunds of every kind and nature to which Debtor has now or hereafter may become entitled, no matter however arising,

all other refunds, good will, trade secrets, computer programs, customer lists, trade names, trademarks and patents;

"Inventory" means and includes all goods held by and intended for sale or lease by Debtor or to be furnished by Debtor under contracts of service and all raw materials, goods in process, finished goods, materials and supplies of every nature used or usable in connection with the manufacture, packing, shipping, advertising, selling, leasing or furnishing of such goods, including all goods used or consumed in Debtor's business.

F. The Banks' security interests were duly, timely and properly perfected by, inter alia, filing a UCC-1 financing statement with the Maine Secretary of State on November 14, 1989.

G. On or about October 31, 1988, the Debtor executed and delivered to NES a Promissory Note in the original principal amount of \$1,000,000. The Promissory Note was secured by a Security Agreement of even date granting NES a security interest in the same collateral that SSI had pledged to the Banks.

H. NES's security interests were duly, timely and properly perfected by, inter alia, filing a UCC-1 financing statement with the Maine Secretary of State on November 17, 1989. By Assignment dated October 31, 1988, NES assigned to the Banks the Promissory Note from the Debtor and the Security Agreement securing the same.

I. On July 14, 1989, the Banks advised the Debtor that the obligations of NES were in default and demanded payment of the same in accordance with the Debtor's Guaranty. When payment was not made, the Banks commenced collection

proceedings against NES, the Debtor and other affiliates in the Maine Superior Court by Complaint dated August 22, 1989.

J. On September 8, 1989, the Banks filed with the Superior Court a motion seeking, inter alia, a writ of replevin with respect to the Debtor's inventory and equipment. By order dated September 11, 1989, the Superior Court approved replevy of said inventory and equipment after determining that there was a reasonable likelihood that the Banks would prevail on the merits.

K. On the Filing Date, the Debtor was in default of its obligations to the Banks and was, and still is, justly and truly indebted to the Banks in an amount in excess of \$2,800,000.

L. Pursuant to Section 362(a) of the Bankruptcy Code the filing of the petition for relief by the Debtor stayed the Banks from taking any action to collect the indebtedness owed by the Debtor to the Banks or to enforce their liens on the collateral without leave of the Bankruptcy Court.

M. On the Filing Date, the Debtor filed its Motion to Use Cash Collateral and to Determine Cash Collateral, which Motion was properly noticed for hearing before the United States Bankruptcy Court on October 12, 1989.

N. Also on the Filing Date, the Debtor commenced an adversary proceeding against the Banks and NES pursuant to 11 U.S.C. §§ 547 and 548 seeking, inter alia, to avoid the liens of the Banks and NES, to avoid the Debtor's guarantee of the obligations of NES, and to recover certain payments made to the Banks (the "Adversary Proceeding").

O. On October 6, 1989, the Banks filed their Motion for Relief From Automatic Stay, which Motion was properly noticed for hearing before the United States Bankruptcy Court on October 19, 1989.

P. Subject to and conditioned upon the further terms of this Stipulation, and the agreements set forth below, the Debtor and the Banks have agreed to provide for the dismissal of the Adversary Proceeding and the continued operation of the Debtor's business, while assuring that the Banks are provided with adequate protection of their interests in the Collateral.

NOW THEREFORE, it is hereby stipulated, consented to, acknowledged and agreed, by and between the undersigned as follows:

1. Upon execution of this Stipulation by the Debtor and the Banks, the Debtor will file with the Bankruptcy Court a Motion for Order Authorizing and Approving Compromise (the "Motion"), seeking approval of dismissal of the Adversary Proceeding with prejudice. This Stipulation is contingent on entry of (a) a final order approving dismissal of the Adversary Proceeding, and (b) a final order approving the terms of this Stipulation.

2. On the Filing Date, the Banks had and continue to have a valid, perfected and enforceable first priority security interest in and lien upon all of the Collateral.

3. On the Filing Date, the Debtor was indebted to the Banks in the approximate aggregate amount of \$2,800,000.00, representing principal and accrued and unpaid interest. In

addition, from and after the Filing Date, interest has continued to accrue on all indebtedness due and owing to the Banks. The Bank's claim is hereby allowed as a secured non-recourse claim against the Collateral provided, however, that said claim and the lien of the Banks shall not and does not extend to the proceeds or products of the Collateral except as provided in Paragraph 8 below. The Banks shall have no claim against the Debtor or its estate, except as provided in Paragraphs 8 and 10 of this Stipulation. The Banks shall have no lien on any inventory acquired by the Debtor after the filing of its chapter 11 petition other than Z88 laptops and peripherals returned by customers (including D & H Distributors) on account of prefilings sales. New England Sales, Inc. shall have no lien or other interest in the Collateral and shall have no claim of any kind against the Debtor.

4. Except as provided in Paragraph 7 below, upon entry of a final order approving this Stipulation, the Debtor shall turn over to the Banks an amount equal to the sum of the amount of all the Debtor's cash on the Filing Date plus the total amount of all cash collected by the Debtor on account of pre-filing accounts receivable from the Filing Date through October 13, 1989 less the total amount of refunds of pre-filing sales of laptops with peripherals processed by the Debtor from the Filing Date through October 13, 1989. The Debtor shall use reasonable efforts to collect its remaining pre-filing accounts receivable and shall, as adequate protection of the Banks'

interest in such pre-filing accounts receivables, remit the proceeds of those receivables to Casco as the same are collected, except as provided in Paragraph 7 below. In no event shall the Debtor be required to commence litigation for purposes of collecting its pre-filing receivables.

5. The Debtor shall be authorized to sell the Debtor's inventory of new, refurbished and failed Z88 lap top computers and peripheral products as of the filing date plus those returned to Debtor from customers (including D & H Distributors) on account of prefiling sales (collectively the "Inventory") and to collect and use the proceeds thereof on the following terms and conditions:

a. Upon receipt by the Debtor of payment on account of the sale of each new Z88 lap top computer from the Inventory, the Debtor shall be obligated to pay the Banks, as adequate protection of the Banks' interest in such Z88 lap top computer, \$150.00. The Debtor estimates that on the filing date the Debtor possessed 1700 new Z88 lap top computers; and

b. Upon the Debtor's receipt of payment on account of the sale of each refurbished Z88 lap top computer from the Inventory, the Debtor shall be obligated to pay the Banks, as adequate protection of the Banks' interest in such Z88 laptop computer, an amount which bears the same proportion to the sale price of each refurbished lap top computer as the payment set forth in subparagraph (a) above bears to the then current sale price of a new Z88 lap top computer.

The Debtor estimates that on the filing date the Debtor possessed 273 refurbished units; and

c. Upon the Debtor's receipt of payment on account of the sale of each failed Z88 lap top computer from the Inventory, the Debtor shall be obligated to pay the Banks, as adequate protection of the Banks' interest in such Z88 laptop computer, an amount which bears the same proportion to the sale price of the failed unit as the payment set forth in subparagraph (a) above bears to the then current sale price of a new Z88 lap top computer. The Debtor estimates that on the filing date the Debtor possessed 345 failed units; and

d. The Debtor shall report to the Banks as of the fifteenth and last day of each calendar month, commencing October 31, 1989, the number and type of Z88 lap top computers for which it has received payment during the reporting period. The report shall be due at 12:00 noon on the third business day after the close of the reporting period. Except as provided in Paragraph 7 below, the payments set forth in subparagraphs (a) through (c) above shall accompany each bi-monthly report.

6. Commencing November 1, 1989 and continuing until such time as the Debtor has fewer than 225 new lap top computers, Debtor shall (a) ship or charge customers for not less than 225 new lap top computers during any calendar month, determined

net of returned units during that month, or (b) pay to the Banks, in addition to amounts payable under Paragraph 5 above, an amount equal to \$150.00 multiplied by the amount by which 225 exceeds the actual number of net orders for new Z88 lap top computers received. Any payment made by the Debtor to the Banks pursuant to this Paragraph shall be credited toward the Debtor's obligations under Paragraph 5 above for the subsequent month. The Debtor's obligations hereunder are subject to Paragraph 7 below.

7. The Debtor shall have the right to use funds otherwise payable to the Banks hereunder up to the maximum amount of \$75,000.00 provided that the Debtor has eligible post-filing receivables equal to 135% of the amount the Debtor seeks to retain. Any post-filing receivable outstanding more than sixty days from the date of sale shall not be an eligible receivable hereunder.

8. As adequate protection of the Banks' interest in the Collateral, the Banks shall have a valid, perfected and enforceable first lien on the Debtor's post-filing accounts receivable in the amount of 135% of the total amount of the Debtor's payment obligations to the Banks under this Stipulation.

9. The amount owing to the Banks pursuant to Paragraphs 5 and 6 above shall be reduced by (a) the total dollar amount of refunds on account of pre-filing sales processed by the Debtor during the relevant reporting period and (b) \$150.00 when the Debtor makes a refund on account of a post-filing sale during the relevant reporting period.

10. In addition to the foregoing, the Banks shall have an allowed prefiling unsecured claim against the Debtor in the amount of \$75,000.00.

11. The Debtor shall have twenty days to cure any default hereunder, which cure period shall commence upon written notice of default delivered to the Debtor's counsel. In the event that (a) a default occurs hereunder which continues past the applicable cure period, (b) the instant Chapter 11 case is converted to a case under Chapter 7, or (c) a trustee is appointed in this case, then, without further order of the Bankruptcy Court, the Banks shall have immediate relief from the automatic stay imposed by 11 U.S.C. § 362 to enforce their liens against the Collateral, but the Banks shall have no other recourse or remedy against the Debtor or its estate except as provided in Paragraphs 8 and 10 above.

12. Upon advance notice, the Banks shall have the right, at any time during regular business hours, to audit all of the Debtor's books of account, documents, records, returns, papers, income tax filings, records and files relating to the Debtor's business operations.

13. The Banks agree not to object to the Debtor's Motion to Assume Executory Contract and Compromise Controversies with Respect Thereto filed in this proceeding on October 24, 1989. The Banks agree to vote in favor of a plan of reorganization proposed by the Debtor which is consistent with the terms of this Stipulation. The Banks agree that any and all sums paid to the Banks pursuant to this Stipulation shall be applied to the obligations of SSI to the Banks under SSI's guarantee of the obligations of NES.

14. The Banks waive any claim to the retainer paid to Drummond Woodsum Plimpton & MacMahon P.A. and any amounts paid to that firm by the Debtor prior to the Debtor's filing and agree to release the trustee summons served on Drummond Woodsum Plimpton & MacMahon, P.A.

15. NES agrees to this stipulation for the sole purpose of consenting to the agreement between the Debtor and the Banks, consenting to the treatment of the NES lien and the claims of NES as provided herein and consenting to the terms of paragraph 16 below. Nothing herein shall prejudice or be construed as a release or waiver of any rights or claims by or against NES, on the one hand, and the Banks, on the other hand.

16. Diversified Foods, Inc. ("DFI"), Ronald Giguere and NES as plaintiffs and the Banks as defendants are parties to a pending civil action in the Superior Court, Cumberland County and State of Maine styled CV 89-1073. NES, DFI, Ronald Giguere and the Banks agree that the terms of this Stipulation shall not be offered in evidence at the trial of said civil action. DFI and Ronald Giguere agree to this Stipulation solely for the purposes of this paragraph.

DATED: November 8  
October 26, 1989

Drummond Woodsum Plimpton  
& MacMahon  
245 Commercial Street  
Portland, Maine 04101  
(207) 772-1941

  
\_\_\_\_\_  
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Bank of Boston

Seen and Agreed:

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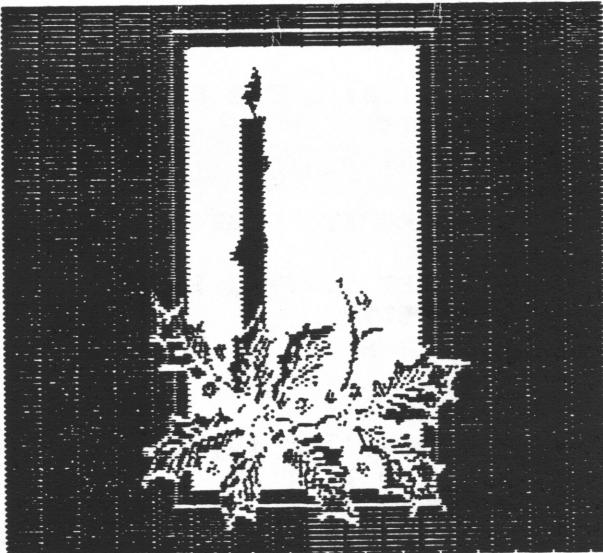
Richard E. Poulos, Esq.  
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Entered as an Order of the Court  
this \_\_\_\_\_ day of November, 1989.

UNITED STATES BANKRUPTCY JUDGE

2622M

-12-



Here is fun program to play with. Just type it in and "RUN" it. Enjoy...

```

5 BORDER 6
10 REM .."MADAM, I'M ADDIN' "
..LOAD "MIA"

15 REM ..BY GERTIE ANDERSON
..8/88
50 GO SUB 7500: REM ..UDG
60 GO SUB 6000: REM DEFS AND
RULES

100 LET T=0
120 FOR V=1 TO 5: REM ..NO. OF
SETS PER GAME
130 IF V=1 THEN GO TO 150
140 PRINT AT 21,0;"ENTER FOR NEXT
SET ": PAUSE 0
150 CLS
200 DIM R(7): DIM S(7): DIM R$(7,1
): DIM U(P)
205 DIM Q$(P,7): DIM Q(P)
210 LET S$=""
230 LET L$="....": LET N$="...."
250 RANDOMIZE
300 FOR I=1 TO 7
310 LET R(I)=INT (RND*10): LET R$
(I)=STR$ R(I)
320 LET S$=S$+R$(I)
330 NEXT I
400 REM ..LARGEST NUMBER
410 FOR I=1 TO 6: FOR J=I+1 TO 7
420 IF R(I)>R(J) THEN GO TO 440
430 LET HH=R(I): LET R(I)=R(J): LET
R(J)=HH
440 NEXT J: NEXT I
450 FOR I=1 TO 7
460 LET R$(I)=STR$ R(I)
470 NEXT I
500 LET L$(1)=R$(1)
505 LET L$(2)=R$(3)
510 LET L$(3)=R$(5)
515 LET L$(4)=R$(7)
520 LET N$(1)=R$(2)
525 LET N$(2)=R$(4)
530 LET N$(3)=R$(6)
540 LET LN=VAL L$+VAL N$
600 GO SUB 4000: REM ..BOARD
620 LET AA=16
630 FOR I=1 TO 7
640 LET Y=2
650 FOR O=5 TO 15 STEP 5
660 PRINT AT 0,AA;" ": BEEP .00625
,0: PRINT AT 0,AA;S$(I): BEEP
.00625,0+3
670 NEXT O
700 FOR K=1 TO P

```

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730 PRINT AT 21,0;"PLACE THIS NUMB
ER, ";P$(K);": ":" INPUT X$
735 IF X$="" THEN GO TO 730
740 PRINT AT 21,0;E$
750 LET X=VAL X$: LET XX=VAL X$+15
760 IF X$="E" OR X$="F" OR X$="G"
THEN GO TO 810
770 FOR O=1 TO 3
780 PRINT AT Y,XX;" ": BEEP .025,
X+5: PRINT AT Y,XX;S$(I): BEEP
.025,X+5
790 NEXT O
800 GO TO 850
815 FOR O=1 TO 3
820 PRINT AT Y+1,XX-3;" ": BEEP
.025,X-5: PRINT AT Y+1,XX-3;
S$(I): BEEP .025,X-5
830 NEXT O
840 PAUSE 50
850 LET Q$(K,X)=S$(I)
870 LET Y=Y+5
880 NEXT K
890 LET AA=AA+1: PAUSE 50
900 NEXT I
910 LET Y=5: LET XX=16
920 FOR K=1 TO P
930 LET Q(K)=VAL Q$(K, TO 4)+VAL
Q$(K,5 TO ): REM ..SUM
932 LET U(K)=LN-Q(K): REM ..DIFFER
ENCE
933 ON ERR CONTINUE
935 LET T(K)=T(K)+U(K): REM ..TALLY
937 IF U(K)=0 THEN LET T(K)=T(K)-
500: REM ..REWARD FOR MATCHING
COMPUTER
940 IF A(K)>9999 THEN PRINT AT Y,XX
-1;Q(K): GO TO 980
950 PRINT AT Y,XX;Q(K)
980 LET Y=Y+5
990 NEXT K
995 PRINT AT 21,0;"ENTER FOR TALLIE
S": INPUT Z$
1000 REM ..SCORING
1010 CLS
1020 PRINT "LARGEST NUMBER: ";LN
1030 PRINT H$
1040 PRINT '"SET ";V:TAB 13;"TOTAL
DIFF. TALLY"
1045 PRINT "HHHHH          HHHHH HH
HHH      HHHHH"
1050 FOR K=1 TO P
1060 PRINT 'P$(K);TAB 13;Q(K);TAB
20;U(K);TAB 27;T(K)
1070 NEXT K

```

**POTENTIAL NEW MEMBERS**

PLEASE COMPLETE THIS INTEREST CARD BELOW AND SEND YOUR \$15.00 MEMBERSHIP WITH YOUR CHOICE USER GROUP TO:

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c/o Paul Holmgren  
5231 Wilton Road CT  
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MEMBERSHIP INCLUDES ACCESS TO BOTH TIMELINEZ & SNUG'S PDSE SOFTWARE LIBRARIES.

USER GROUP MEETINGS ARE ALWAYS OPEN TO THE PUBLIC AT NO CHARGE. GUESTS ARE HIGHLY ENCOURAGED TO ATTEND.

HAPPY COMPUTING.....THE EDITORS

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**Mini File Server BBS**

Supports: 300/1200 baud at 8,N,1

Password: -> n/a <-

Sysop: Steve Nichols

Phone#: (408) 253-2295

**NOTICE**

The Mini File Server BBS gives support for TIMEXsinclair on Disc #10. The SLIX Information Database is now available for down-loading.

**Network Divisions**

Supports: 300/1200/2400 baud at 7,1,E

Terminal: VT52

Sigop: Kevin Lueng

Phone#: (415) 753-5265

**PUG**

Peninsula User Group  
311 Michelle Lane  
Daly City, CA 94015  
(415) 878-1773

President: George Mockridge  
Host: Walt Johnson

Support for:  
-TIMEXsinclair's  
1000/1500/2068  
-Cambridge 288  
-Sinclair's  
Spectrum +128K  
and QL

Meetings: Third Sunday of each month, 1:30 pm  
Peninsula Hospital  
1783 El Camino Real  
Burlingame, CA

Dates: July 15, 1990 October 21, 1990  
August 19, 1990 November 18, 1990  
September 16, 1990 December 16, 1990

**TSSU**

TIMEXsinclair Cambridge Silicon Valley Users  
6675 Clifford Drive  
Cupertino, CA 95014  
(408) 253-3175

Host: Bill Miller

Meetings: Third Wednesday of each month - 7:00 pm  
CALL FOR MEETING LOCATION

Projects: Organizing Sinclair Information

Dates: July 18, 1990 October 17, 1990  
August 15, 1990 November 21, 1990  
September 19, 1990 December 19, 1990

**TAS-BAM, INC.**

Tampa and Suncoast Bay Area Micro-computer Users' Group, Inc.  
5956 46th Avenue North  
Saint Petersburg, FL 33709  
(813) 546-4278

Hosts: Eric Best, George Featherman, Warren Reed

Meetings: Second Saturday of each month, 7:30 pm  
Beach Federal Savings and Loan  
7777 North Seminole Blvd.  
Seminole, FL

Dates: July 14, 1990 Sept. 8, 1990 Nov. 10, 1990  
Aug. 11, 1990 Oct. 13, 1990 Dec. 8, 1990

**TSC Sig TIC**

TIMEXsinclair Cambridge S.I.G.  
The Computer Workshop  
558 Cypress Avenue  
Sunnyvale, CA 94086  
(408) 739-3977

SIG Host: Mark Wahl

Meetings: First Saturday morning at 10:00 am  
Stanford University  
Jordan Hall (in the Quad)  
Room 380C (downstairs)

Dates: July 7, 1990 October 6, 1990  
August 4, 1990 November 3, 1990  
September 1, 1990 December 1, 1990

```

1090 NEXT V
1100 PRINT AT 21,0;"ANOTHER GAME?
Y/N": INPUT Z$
1110 IF Z$="N" THEN GO TO 8000
1120 CLS : GO TO 100
4000 REM ..GAME BOARD
4010 PRINT "RANDOM NUMBERS:", "----"
4020 FOR I=1 TO P
4040 PRINT H$ 
4050 PRINT P$(I), "ABCD", TAB 16; "EF
G"
4060 PRINT , "HHHH", , "----"
4070 NEXT I
4090 RETURN
6000 REM ..DEFS AND RULES
6010 LET E$="          ": REM ..32 SPACES
6020 LET H$="HHHHHHHHHHHHHHHHHHHHHHHHHHH
HHHHHHHHHH": REM ..32 "H"'s
6030 LET A=1: LET B=2: LET C=3:
LET D=4
6040 LET E=5: LET F=6: LET G=7
7000 REM ..RULES
7010 PRINT TAB 7;"MADAM, I'M ADDIN'
HHHHHHHHHHHHHHHHH": REM .. 17
"H"'s
7020 PRINT "THIS GAME IS FOR 1 TO 4
PLAYERS AND TAKES ABOUT 50%
SKILL AND 50% LUCK. SEE IF
YOU CAN ADD 'EM UP TO A
WINNING SCORE."
7030 PRINT " I'LL GIVE YOU 7 NUMBE
RS, ONE AT A TIME, AND YOU AR
E TO PLACE"

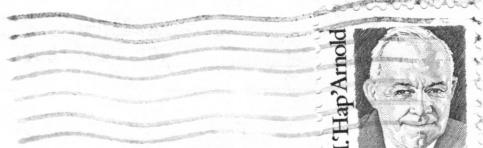
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7040 PRINT "THEM IN SUCH A WAY AS
TO ADD UP TO THE LARGEST POSS
IBLE NUMBER."
7050 PRINT "LOWEST SCORE WINS, AND
IF YOU CAN MATCH MY TOTAL
IN ANY SET I'LL DEDUCT 500
FROM YOUR SCORE."
7060 PRINT " HINT: TRY TO PLACE
THE LARGESTNUMBERS IN THE A,
B AND E SPOTS, BUT KEEP IN MIND
THAT I MAY DO"
7070 PRINT "YOU DIRT AND GIVE YOU
A 0 WHEN YOU'RE EXPECTING A
9."
7080 PRINT "' SHALL WE GO? PLEASE
ENTER.": PAUSE 0
7090 CLS
7100 PRINT AT 21,0;"HOW MANY PLAY
ERS? ": INPUT P
7110 DIM P(P): DIM P$(P,11): DIM T
(P)
7120 FOR I=1 TO P: LET P(I)=I: NEX
T I
7130 FOR I=1 TO P
7140 PRINT AT 21,0,"WHAT'S YOUR
NAME, PLAYER ";I;"? ": INPUT
P$(I)
7150 PRINT AT 21,0;E$
7160 NEXT I
7190 RETURN
7500 REM ..UDG
7510 FOR Z=0 TO 7
7520 READ H: POKE USR "H"+Z,H: NE
XT Z
7530 DATA 0,0,0,255,0,0,0,0
7550 RETURN
8000 REM ..END
8010 CLS: PRINT AT 10,10;"GREAT
GAME!"

```

AMERICAN MICRO SYSTEMS  
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SAN JOSE, CA 95121



January 1991

Mr. Donald S. Lambert  
1301 Kiblinger Place  
Auburn, IN 46706-3010

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